

# Siddharthan Chandran

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

170  
papers

8,314  
citations

47  
h-index

88  
g-index

197  
ext. papers

10,155  
ext. citations

8.8  
avg, IF

5.65  
L-index

#	Paper	IF	Citations
170	Reactive astrocytes acquire neuroprotective as well as deleterious signatures in response to Tau and A $\beta$ pathology.. <i>Nature Communications</i> , <b>2022</b> , 13, 135	17.4	4
169	Reducing voltage-dependent potassium channel Kv3.4 levels ameliorates synapse loss in a mouse model of Alzheimer $\beta$ disease.. <i>Brain and Neuroscience Advances</i> , <b>2022</b> , 6, 23982128221086464	4	0
168	Assessment of Mitochondrial Trafficking as a Surrogate for Fast Axonal Transport in Human Induced Pluripotent Stem Cell-Derived Spinal Motor Neurons.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2431, 311-322	1.4	0
167	The influence of disease-modifying therapy on hidden disability burden in people with newly diagnosed relapsing-remitting multiple sclerosis.. <i>Multiple Sclerosis and Related Disorders</i> , <b>2022</b> , 63, 103837	4	0
166	The ciliary gene INPP5E confers dorsal telencephalic identity to human cortical organoids by negatively regulating Sonic hedgehog signaling.. <i>Cell Reports</i> , <b>2022</b> , 39, 110811	10.6	1
165	Efficacy of Fluoxetine, Riluzole and Amiloride in treating neuropathic pain associated with secondary progressive multiple sclerosis. Pre-specified analysis of the MS-SMART double-blind randomised placebo-controlled trial. <i>Multiple Sclerosis and Related Disorders</i> , <b>2022</b> , 63, 103925	4	2
164	Common and rare variant association analyses in amyotrophic lateral sclerosis identify 15 risk loci with distinct genetic architectures and neuron-specific biology. <i>Nature Genetics</i> , <b>2021</b> , 53, 1636-1648	36.3	19
163	MRI-derived g-ratio and lesion severity in newly diagnosed multiple sclerosis. <i>Brain Communications</i> , <b>2021</b> , 3, fcab249	4.5	1
162	Trials for neurodegenerative diseases: time to innovate. <i>Lancet Neurology</i> , <b>2021</b> , 20, 984	24.1	1
161	Clinical trials in amyotrophic lateral sclerosis: a systematic review and perspective.. <i>Brain Communications</i> , <b>2021</b> , 3, fcab242	4.5	0
160	Transactive response DNA-binding protein-43 proteinopathy in oligodendrocytes revealed using an induced pluripotent stem cell model.. <i>Brain Communications</i> , <b>2021</b> , 3, fcab255	4.5	0
159	An integrated multi-omic analysis of iPSC-derived motor neurons from C9ORF72 ALS patients. <i>iScience</i> , <b>2021</b> , 24, 103221	6.1	5
158	A systematic review of neuropsychiatric and cognitive assessments used in clinical trials for amyotrophic lateral sclerosis. <i>Journal of Neurology</i> , <b>2021</b> , 268, 4510-4521	5.5	7
157	Altered network properties in C9ORF72 repeat expansion cortical neurons are due to synaptic dysfunction. <i>Molecular Neurodegeneration</i> , <b>2021</b> , 16, 13	19	9
156	40 Years of CSF Toxicity Studies in ALS: What Have We Learnt About ALS Pathophysiology?. <i>Frontiers in Molecular Neuroscience</i> , <b>2021</b> , 14, 647895	6.1	5
155	Prospective observational cohort study of factors influencing trial participation in people with motor neuron disease (FIT-participation-MND): a protocol. <i>BMJ Open</i> , <b>2021</b> , 11, e044996	3	1
154	-derived arginine-containing dipeptide repeats associate with axonal transport machinery and impede microtubule-based motility. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	17

153	Prevalence of multimorbidity and its impact on survival in people with motor neuron disease. <i>European Journal of Neurology</i> , <b>2021</b> , 28, 2756-2765	6	0
152	iPSC-derived myelinoids to study myelin biology of humans. <i>Developmental Cell</i> , <b>2021</b> , 56, 1346-1358.e6	10.2	20
151	Centenary of the oligodendrocyte. <i>Lancet Neurology, The</i> , <b>2021</b> , 20, 422	24.1	
150	The immediate impact of the COVID-19 pandemic on motor neuron disease services and mortality in Scotland. <i>Journal of Neurology</i> , <b>2021</b> , 268, 2038-2040	5.5	4
149	Mitochondrial bioenergetic deficits in C9orf72 amyotrophic lateral sclerosis motor neurons cause dysfunctional axonal homeostasis. <i>Acta Neuropathologica</i> , <b>2021</b> , 141, 257-279	14.3	27
148	Hydrophilic Polymer Embolization Following Coiling of Intracranial Aneurysm. <i>Annals of Neurology</i> , <b>2021</b> , 89, 842-843	9.4	
147	Modeling compartmentalized chronic immune-mediated demyelinating CNS disease in the Biozzi ABH mouse. <i>Journal of Neuroimmunology</i> , <b>2021</b> , 356, 577582	3.5	
146	The prevalence of paramagnetic rim lesions in multiple sclerosis: A systematic review and meta-analysis. <i>PLoS ONE</i> , <b>2021</b> , 16, e0256845	3.7	5
145	Safety and efficacy of bexarotene in patients with relapsing-remitting multiple sclerosis (CCMR One): a randomised, double-blind, placebo-controlled, parallel-group, phase 2a study. <i>Lancet Neurology, The</i> , <b>2021</b> , 20, 709-720	24.1	6
144	Classification of Alzheimers Disease using RF Signals and Machine Learning. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , <b>2021</b> , 1-1	2.8	2
143	Interleukin-8 dysregulation is implicated in brain dysmaturation following preterm birth. <i>Brain, Behavior, and Immunity</i> , <b>2020</b> , 90, 311-318	16.6	7
142	Systematic review of prediction models in relapsing remitting multiple sclerosis. <i>PLoS ONE</i> , <b>2020</b> , 15, e0233575	3.7	14
141	Enhanced axonal response of mitochondria to demyelination offers neuroprotection: implications for multiple sclerosis. <i>Acta Neuropathologica</i> , <b>2020</b> , 140, 143-167	14.3	15
140	Excellent reliability of the ALSFRS-R administered via videoconferencing: A study of people with motor neuron disease in Scotland. <i>Journal of the Neurological Sciences</i> , <b>2020</b> , 416, 116991	3.2	3
139	Therapeutic Targeting of Proteostasis in Amyotrophic Lateral Sclerosis-a Systematic Review and Meta-Analysis of Preclinical Research. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 511	5.1	3
138	Cortical neurons derived from human pluripotent stem cells lacking FMRP display altered spontaneous firing patterns. <i>Molecular Autism</i> , <b>2020</b> , 11, 52	6.5	5
137	Neuronal Activity and Its Role in Controlling Antioxidant Genes. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
136	National audit of cognitive assessment in people with pWMND A national audit of cognitive assessment in people with motor neurone disease (pWMND) in Scotland. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , <b>2020</b> , 21, 459-462	3.6	1

135	Generation of twenty four induced pluripotent stem cell lines from twenty four members of the Lothian Birth Cohort 1936. <i>Stem Cell Research</i> , <b>2020</b> , 46, 101851	1.6	6
134	Reliability and validity of the brief dimensional apathy scale. <i>Archives of Clinical Neuropsychology</i> , <b>2020</b> , 35, 539-544	2.7	6
133	Efficacy of three neuroprotective drugs in secondary progressive multiple sclerosis (MS-SMART): a phase 2b, multiarm, double-blind, randomised placebo-controlled trial. <i>Lancet Neurology</i> , <b>2020</b> , 19, 214-225	24.1	48
132	Improved detection of RNA foci in amyotrophic lateral sclerosis post-mortem tissue using BaseScope shows a lack of association with cognitive dysfunction. <i>Brain Communications</i> , <b>2020</b> , 2, fcaa009	4.5	5
131	Relationship between neuropsychiatric disorders and cognitive and behavioural change in MND. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2020</b> , 91, 245-253	5.5	5
130	The Dementias Platform UK (DPUK) Data Portal. <i>European Journal of Epidemiology</i> , <b>2020</b> , 35, 601-611	12.1	23
129	Executive, language and fluency dysfunction are markers of localised TDP-43 cerebral pathology in non-demented ALS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2020</b> , 91, 149-157	5.5	26
128	The Prevalence and Management of Saliva Problems in Motor Neuron Disease: A 4-Year Analysis of the Scottish Motor Neuron Disease Register. <i>Neurodegenerative Diseases</i> , <b>2020</b> , 20, 147-152	2.3	2
127	Amiloride, fluoxetine or riluzole to reduce brain volume loss in secondary progressive multiple sclerosis: the MS-SMART four-arm RCT. <i>Efficacy and Mechanism Evaluation</i> , <b>2020</b> , 7, 1-72	1.7	6
126	Remote testing of vitamin D levels across the UK MS population-A case control study. <i>PLoS ONE</i> , <b>2020</b> , 15, e0241459	3.7	0
125	Riluzole prescribing, uptake and treatment discontinuation in people with amyotrophic lateral sclerosis in Scotland. <i>Journal of Neurology</i> , <b>2020</b> , 267, 2459-2461	5.5	3
124	Continuous Immune-Modulatory Effects of Human Olig2+ Precursor Cells Attenuating a Chronic-Active Model of Multiple Sclerosis. <i>Molecular Neurobiology</i> , <b>2020</b> , 57, 1021-1034	6.2	3
123	Mutant C9orf72 human iPSC-derived astrocytes cause non-cell autonomous motor neuron pathophysiology. <i>Glia</i> , <b>2020</b> , 68, 1046-1064	9	49
122	Cerebrospinal fluid cytotoxicity in amyotrophic lateral sclerosis: a systematic review of studies. <i>Brain Communications</i> , <b>2020</b> , 2, fcaa121	4.5	4
121	Generation of pure monocultures of human microglia-like cells from induced pluripotent stem cells. <i>Stem Cell Research</i> , <b>2020</b> , 49, 102046	1.6	11
120	Non-Invasive RF Technique for Detecting Different Stages of Alzheimer's Disease and Imaging Beta-Amyloid Plaques and Tau Tangles in the Brain. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 4060-4070	11.7	7
119	Defining novel functions for cerebrospinal fluid in ALS pathophysiology. <i>Acta Neuropathologica Communications</i> , <b>2020</b> , 8, 140	7.3	7
118	CNS macrophages differentially rely on an intronic enhancer for their development. <i>Development (Cambridge)</i> , <b>2020</b> , 147,	6.6	11

117	Dysregulation of AMPA receptor subunit expression in sporadic ALS post-mortem brain. <i>Journal of Pathology</i> , <b>2020</b> , 250, 67-78	9.4	19
116	An epidemiological profile of dysarthria incidence and assistive technology use in the living population of people with MND in Scotland. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , <b>2020</b> , 21, 116-122	3.6	3
115	Impact of preterm birth on brain development and long-term outcome: protocol for a cohort study in Scotland. <i>BMJ Open</i> , <b>2020</b> , 10, e035854	3	14
114	Familial t(1;11) translocation is associated with disruption of white matter structural integrity and oligodendrocyte-myelin dysfunction. <i>Molecular Psychiatry</i> , <b>2019</b> , 24, 1641-1654	15.1	12
113	The relationships between symptoms, disability, perceived health and quality of life in amyotrophic lateral sclerosis/motor neuron disease. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , <b>2019</b> , 20, 317-327	3.6	16
112	Regional variation in the incidence rate and sex ratio of multiple sclerosis in Scotland 2010-2017: findings from the Scottish Multiple Sclerosis Register. <i>Journal of Neurology</i> , <b>2019</b> , 266, 2376-2386	5.5	11
111	Could an Impairment in Local Translation of mRNAs in Glia be Contributing to Pathogenesis in ALS?. <i>Frontiers in Molecular Neuroscience</i> , <b>2019</b> , 12, 124	6.1	9
110	Clinical audit research and evaluation of motor neuron disease (CARE-MND): a national electronic platform for prospective, longitudinal monitoring of MND in Scotland. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , <b>2019</b> , 20, 242-250	3.6	8
109	Improved survival and 30-day mortality after gastrostomy in Scottish motor neurone disease patients: evidence from a national retrospective cohort study using STROBE criteria. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , <b>2019</b> , 20, 165-171	3.6	1
108	In Vitro Generation and Electrophysiological Characterization of OPCs and Oligodendrocytes from Human Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1936, 65-77	1.4	1
107	Targeting mitochondrial dysfunction in amyotrophic lateral sclerosis: a systematic review and meta-analysis. <i>Brain Communications</i> , <b>2019</b> , 1, fcz009	4.5	8
106	Transplanted t(1;11) patient-derived OPCs form shorter myelin internodes in the hypomyelinated shiverer mice. <i>Molecular Psychiatry</i> , <b>2019</b> , 24, 1567-1567	15.1	
105	A single systemic inflammatory insult causes acute motor deficits and accelerates disease progression in a mouse model of human tauopathy. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , <b>2019</b> , 5, 579-591	6	11
104	Changing epidemiology of motor neurone disease in Scotland. <i>Journal of Neurology</i> , <b>2019</b> , 266, 817-825	5.5	21
103	Integrated Flexible Hybrid Silicone-Textile Dual-Resonant Sensors and Switching Circuit for Wearable Neurodegeneration Monitoring Systems. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2019</b> , 13, 1304-1312	5.1	13
102	Reversal of proliferation deficits caused by chromosome 16p13.11 microduplication through targeting NFB signaling: an integrated study of patient-derived neuronal precursor cells, cerebral organoids and in vivo brain imaging. <i>Molecular Psychiatry</i> , <b>2019</b> , 24, 294-311	15.1	25
101	Renewed assessment of the risk of emergent advanced cell therapies to transmit neuroproteinopathies. <i>Acta Neuropathologica</i> , <b>2019</b> , 137, 363-377	14.3	1
100	C9ORF72 repeat expansion causes vulnerability of motor neurons to Ca-permeable AMPA receptor-mediated excitotoxicity. <i>Nature Communications</i> , <b>2018</b> , 9, 347	17.4	104

99	Synapse loss in the prefrontal cortex is associated with cognitive decline in amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , <b>2018</b> , 135, 213-226	14.3	45
98	Elucidating Pro-Inflammatory Cytokine Responses after Traumatic Brain Injury in a Human Stem Cell Model. <i>Journal of Neurotrauma</i> , <b>2018</b> , 35, 341-352	5.4	24
97	FMRP Interacts with C/D Box snoRNA in the Nucleus and Regulates Ribosomal RNA Methylation. <i>iScience</i> , <b>2018</b> , 9, 399-411	6.1	14
96	DISC1 regulates N-methyl-D-aspartate receptor dynamics: abnormalities induced by a Disc1 mutation modelling a translocation linked to major mental illness. <i>Translational Psychiatry</i> , <b>2018</b> , 8, 184	8.6	11
95	ALS-specific cognitive and behavior changes associated with advancing disease stage in ALS. <i>Neurology</i> , <b>2018</b> , 91, e1370-e1380	6.5	105
94	Multiple Sclerosis-Secondary Progressive Multi-Arm Randomisation Trial (MS-SMART): a multiarm phase IIb randomised, double-blind, placebo-controlled clinical trial comparing the efficacy of three neuroprotective drugs in secondary progressive multiple sclerosis. <i>BMJ Open</i> , <b>2018</b> , 8, e021944	3	26
93	Characterisation of tissue-type metabolic content in secondary progressive multiple sclerosis: a magnetic resonance spectroscopic imaging study. <i>Journal of Neurology</i> , <b>2018</b> , 265, 1795-1802	5.5	7
92	Genetic epidemiology of motor neuron disease-associated variants in the Scottish population. <i>Neurobiology of Aging</i> , <b>2017</b> , 51, 178.e11-178.e20	5.6	21
91	Lateral thinking - Interocular symmetry and asymmetry in neurovascular patterning, in health and disease. <i>Progress in Retinal and Eye Research</i> , <b>2017</b> , 59, 131-157	20.5	30
90	Neurons and neuronal activity control gene expression in astrocytes to regulate their development and metabolism. <i>Nature Communications</i> , <b>2017</b> , 8, 15132	17.4	136
89	Modeling the C9ORF72 repeat expansion mutation using human induced pluripotent stem cells. <i>Brain Pathology</i> , <b>2017</b> , 27, 518-524	6	8
88	July 2017 ENCALS statement on edaravone. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , <b>2017</b> , 18, 471-474	3.6	31
87	PO146 Defining the domains of a composite assessment tool for ms. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2017</b> , 88, A51.1-A51	5.5	
86	Multidimensional apathy and executive dysfunction in amyotrophic lateral sclerosis. <i>Cortex</i> , <b>2017</b> , 94, 142-151	3.8	39
85	Human stem cell-derived astrocytes replicate human prions in a genotype-dependent manner. <i>Journal of Experimental Medicine</i> , <b>2017</b> , 214, 3481-3495	16.6	51
84	A multicentre evaluation of oropharyngeal secretion management practices in amyotrophic lateral sclerosis. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , <b>2017</b> , 18, 1-9	3.6	14
83	The clinico-radiological paradox of cognitive function and MRI burden of white matter lesions in people with multiple sclerosis: A systematic review and meta-analysis. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177727	3.7	44
82	Multidimensional apathy in ALS: validation of the Dimensional Apathy Scale. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2016</b> , 87, 663-9	5.5	73

81	Genome-wide association analyses identify new risk variants and the genetic architecture of amyotrophic lateral sclerosis. <i>Nature Genetics</i> , <b>2016</b> , 48, 1043-8	36.3	328
80	Functional properties of in vitro excitatory cortical neurons derived from human pluripotent stem cells. <i>Journal of Physiology</i> , <b>2016</b> , 594, 6573-6582	3.9	20
79	Improved PCR based methods for detecting C9orf72 hexanucleotide repeat expansions. <i>Molecular and Cellular Probes</i> , <b>2016</b> , 30, 218-224	3.3	25
78	Maturation and electrophysiological properties of human pluripotent stem cell-derived oligodendrocytes. <i>Stem Cells</i> , <b>2016</b> , 34, 1040-53	5.8	50
77	Chorioretinal thinning in chronic kidney disease links to inflammation and endothelial dysfunction. <i>JCI Insight</i> , <b>2016</b> , 1, e89173	9.9	37
76	Evidence for evolutionary divergence of activity-dependent gene expression in developing neurons. <i>ELife</i> , <b>2016</b> , 5,	8.9	20
75	Modeling ALS with motor neurons derived from human induced pluripotent stem cells. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 542-53	25.5	174
74	Hypothermic Preconditioning Reverses Tau Ontogenesis in Human Cortical Neurons and is Mimicked by Protein Phosphatase 2A Inhibition. <i>EBioMedicine</i> , <b>2016</b> , 3, 141-154	8.8	7
73	Neuronal development is promoted by weakened intrinsic antioxidant defences due to epigenetic repression of Nrf2. <i>Nature Communications</i> , <b>2015</b> , 6, 7066	17.4	101
72	Validation of the Edinburgh Cognitive and Behavioural Amyotrophic Lateral Sclerosis Screen (ECAS): A cognitive tool for motor disorders. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , <b>2015</b> , 16, 172-9	3.6	102
71	Human iPSC-derived motoneurons harbouring TARDBP or C9ORF72 ALS mutations are dysfunctional despite maintaining viability. <i>Nature Communications</i> , <b>2015</b> , 6, 5999	17.4	186
70	Hypothermic Preconditioning of Human Cortical Neurons Requires Proteostatic Priming. <i>EBioMedicine</i> , <b>2015</b> , 2, 528-35	8.8	24
69	THE MS-SMART TRIAL IN SECONDARY PROGRESSIVE MULTIPLE SCLEROSIS: A MULTI-ARM, MULTI-CENTRE TRIAL OF NEUROPROTECTION. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2015</b> , 86, e4.8-e4	5.5	
68	EXPLORING THE DIMENSIONS OF APATHY IN ALS: VALIDATION OF THE DAS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2015</b> , 86, e3.27-e3	5.5	
67	Influence of intracerebral hemorrhage location on incidence, characteristics, and outcome: population-based study. <i>Stroke</i> , <b>2015</b> , 46, 361-8	6.7	98
66	Drug repurposing: a systematic approach to evaluate candidate oral neuroprotective interventions for secondary progressive multiple sclerosis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117705	3.7	40
65	Thrombotic microangiopathy associated with interferon beta. <i>New England Journal of Medicine</i> , <b>2014</b> , 370, 1270-1	59.2	66
64	Mesenchymal stromal cell transplantation modulates neuroinflammatory milieu in amyotrophic lateral sclerosis. <i>Cytotherapy</i> , <b>2014</b> , 16, 1031-2	4.8	3

63	Autophagy induction enhances TDP43 turnover and survival in neuronal ALS models. <i>Nature Chemical Biology</i> , <b>2014</b> , 10, 677-85	11.7	298
62	Axonal transport of TDP-43 mRNA granules is impaired by ALS-causing mutations. <i>Neuron</i> , <b>2014</b> , 81, 536-543	15.3	408
61	Physiological normoxia and absence of EGF is required for the long-term propagation of anterior neural precursors from human pluripotent cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e85932	3.7	39
60	Maturation of AMPAR composition and the GABAAR reversal potential in hPSC-derived cortical neurons. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 4070-5	6.6	26
59	Ionotropic GABA and glycine receptor subunit composition in human pluripotent stem cell-derived excitatory cortical neurones. <i>Journal of Physiology</i> , <b>2014</b> , 592, 4353-63	3.9	13
58	Allele-specific knockdown of ALS-associated mutant TDP-43 in neural stem cells derived from induced pluripotent stem cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e91269	3.7	33
57	Management of sialorrhoea in motor neuron disease: a survey of current UK practice. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , <b>2013</b> , 14, 521-7	3.6	22
56	High yields of oligodendrocyte lineage cells from human embryonic stem cells at physiological oxygen tensions for evaluation of translational biology. <i>Stem Cell Reports</i> , <b>2013</b> , 1, 437-50	8	70
55	NMDA receptor-dependent glutamate excitotoxicity in human embryonic stem cell-derived neurons. <i>Neuroscience Letters</i> , <b>2013</b> , 543, 95-100	3.3	53
54	Dopamine from the brain promotes spinal motor neuron generation during development and adult regeneration. <i>Developmental Cell</i> , <b>2013</b> , 25, 478-91	10.2	84
53	Comment on "Drug screening for ALS using patient-specific induced pluripotent stem cells". <i>Science Translational Medicine</i> , <b>2013</b> , 5, 188le2	17.5	5
52	Astrocyte pathology and the absence of non-cell autonomy in an induced pluripotent stem cell model of TDP-43 proteinopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 4697-702	11.5	238
51	Neural precursor cells cultured at physiologically relevant oxygen tensions have a survival advantage following transplantation. <i>Stem Cells Translational Medicine</i> , <b>2013</b> , 2, 464-72	6.9	17
50	Human stem cell-derived astrocytes and their application to studying Nrf2-mediated neuroprotective pathways and therapeutics in neurodegeneration. <i>British Journal of Clinical Pharmacology</i> , <b>2013</b> , 75, 907-18	3.8	28
49	Patterns of cognitive dysfunction in progressive MS. <i>Behavioural Neurology</i> , <b>2013</b> , 27, 259-65	3	3
48	Using human pluripotent stem cells to study post-transcriptional mechanisms of neurodegenerative diseases. <i>Brain Research</i> , <b>2012</b> , 1462, 129-38	3.7	4
47	Autologous mesenchymal stem cells for the treatment of secondary progressive multiple sclerosis: an open-label phase 2a proof-of-concept study. <i>Lancet Neurology</i> , <b>2012</b> , 11, 150-6	24.1	460
46	Investigating the utility of human embryonic stem cell-derived neurons to model ageing and neurodegenerative disease using whole-genome gene expression and splicing analysis. <i>Journal of Neurochemistry</i> , <b>2012</b> , 122, 738-51	6	41



45	Focal immune-mediated white matter demyelination reveals an age-associated increase in axonal vulnerability and decreased remyelination efficiency. <i>American Journal of Pathology</i> , <b>2012</b> , 180, 1897-905	5.8	26
44	What wires together dies together: verbs, actions and neurodegeneration in motor neuron disease. <i>Cortex</i> , <b>2012</b> , 48, 936-44	3.8	105
43	Mutant induced pluripotent stem cell lines recapitulate aspects of TDP-43 proteinopathies and reveal cell-specific vulnerability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 5803-8	11.5	254
42	Mesenchymal stem cells lack efficacy in the treatment of experimental autoimmune neuritis despite in vitro inhibition of T-cell proliferation. <i>PLoS ONE</i> , <b>2012</b> , 7, e30708	3.7	17
41	Using induced pluripotent stem cells (iPSC) to model human neuromuscular connectivity: promise or reality?. <i>Journal of Anatomy</i> , <b>2012</b> , 220, 122-30	2.9	32
40	Experimental and therapeutic opportunities for stem cells in multiple sclerosis. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 14470-91	6.3	5
39	Characterizing the RNA targets and position-dependent splicing regulation by TDP-43. <i>Nature Neuroscience</i> , <b>2011</b> , 14, 452-8	25.5	745
38	The mesenchymal stem cells in multiple sclerosis (MSCIMS) trial protocol and baseline cohort characteristics: an open-label pre-test: post-test study with blinded outcome assessments. <i>Trials</i> , <b>2011</b> , 12, 62	2.8	93
37	Integrin activation promotes axon growth on inhibitory chondroitin sulfate proteoglycans by enhancing integrin signaling. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 6289-95	6.6	120
36	Mild oxidative stress activates Nrf2 in astrocytes, which contributes to neuroprotective ischemic preconditioning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, E1-2; author reply E3-4	11.5	112
35	Lineage-specific distribution of high levels of genomic 5-hydroxymethylcytosine in mammalian development. <i>Cell Research</i> , <b>2011</b> , 21, 1332-42	24.7	161
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5	Data-driven analysis shows robust links between fatigue and depression in early multiple sclerosis		3
4	Patterns of brain neurodegeneration in early-stage relapsing-remitting multiple sclerosis		1
3	C9orf72-derived arginine-containing dipeptide repeats associate with axonal transport machinery and impede microtubule-based motility		7
2	Rationale and design of the brain magnetic resonance imaging protocol for FutureMS: a longitudinal multi-centre study of newly diagnosed patients with relapsing-remitting multiple sclerosis in Scotland		2
1	Rationale and design of the brain magnetic resonance imaging protocol for FutureMS: a longitudinal multi-centre study of newly diagnosed patients with relapsing-remitting multiple sclerosis in Scotland. <i>Wellcome Open Research</i> , 7, 94	4.8	0